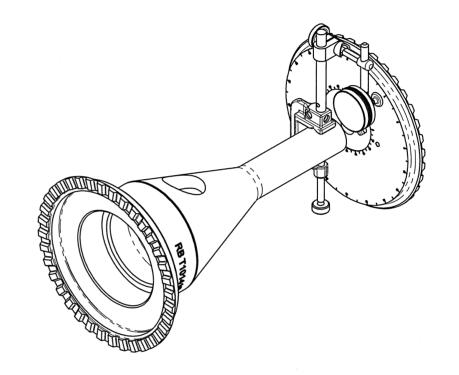
QTY ITEM# PART# PART TITLE RB T101419-1 PLUNGER ASSEMBLY -6 RB T101419-6 TARGET ASSEMBLY 10 STARRET#196B1 OR EQUIV. UNIVERSAL BACK PLUNGER DIAL INDICATOR 0.200" RANGE X 0.001" GRADUATIONS STARRET#PT18718 OR EQUIV. 11 1 SNUG COMPLETE 5/16" DIA. POST HOLE

CLAMP 1-5/16" FLAT/ROUND CAPACITY X 5/16" POST



RB T101419 ENGINE TO TRANSMISSION DRIVESHAFT ALIGNMENT TOOL SET (SHOWN ASSEMBLED FOR REFERENCE ONLY)

9

A	NEW ISSUE				KPT
REV.	DESCRIPTION				BY
DESIGN		KPT	DART AEROSPACE LTD		
DRAWN		KPT HAWKESBURY, ONTARIO, CAN			
CHECKE	ED	MBB	TOOL PART #		REV. A
MFG. APPR. FKy		FKy	RB T101419	SHEET 1 OF 10	
APPRO\	/ED	SHO	TITLE	SCALE	一 命
			ENGINE TO TRANSMISSION DRIVESHAFT ALIGNMENT TOOL SET	NTS [

X.XXX = +/-0.005" / +/-0.1° X.XXXX = +/-0.0005" / +/-0.05° PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
5) UNITS: INCHES UNLESS OTHERWISE NOTED 6) IDENTIFICATION: N/A

7) ASSEMBLE AS SHOWN
8) ITEMS 10, 11, AND 12 MUST BE INDIVIDUALLY PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG
9) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG

-6

DATE 2019-08-13

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4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/-0.01" / +/-0.5°

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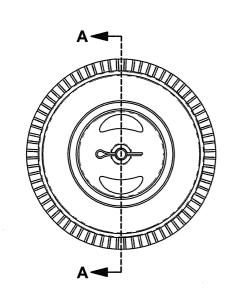
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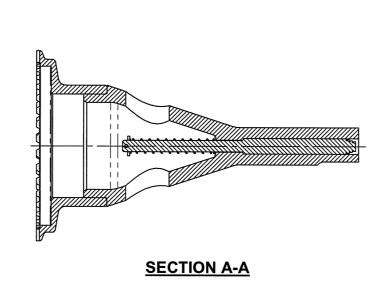
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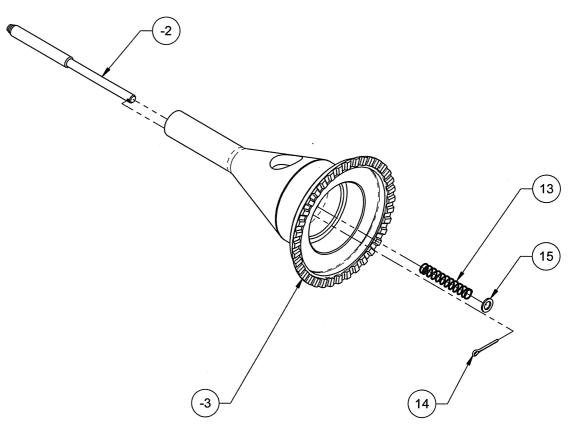
1) MATERIAL: N/A 2) HEAT TREAT: N/A 3) FINISH: N/A

STARRET#PT99437 OR EQUIV.

ITEM#	QTY	PART#	PART TITLE	
-2	1	RB T101419-2	PLUNGER	1
-3	1	RB T101419-3	HOUSING ASSEMBLY	1
13	1	ASSOCIATED SPRING RAYMOND #C0480-038-3000-M	MUSIC WIRE COMPRESSION SPRING 0.480" OD. X 0.038" WIRE DIA. X 3.00" LG. X 3.5 LB/IN	1
14	1	MS24665-285	CAD. PLATED STEEL COTTER PIN 3/32" DIA. X 1" LG.	1
15	1	NAS1149F0663P	CAD. PLATED STEEL WASHER 0.390" ID. X 0.625" OD. X 0.063" THK.	1







RB T101419-1 PLUNGER ASSEMBLY 8

D

1) MATERIAL: N/A

2) HEAT TREAT: N/A

7) ASSEMBLE AS SHOWN 8) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG

DESIGN		KPT	
DRAWN	B 1867	KPT	
CHECKED)	MBB	TC
MFG. APP	R.	FK	R
APPROVE	D	\XI	TI
		0 1	EN AL
DATE 2	2019-08-13		

OOL PART # RB T101419 ITLE

ENGINE TO TRANSMISSION DRIVESHAFT

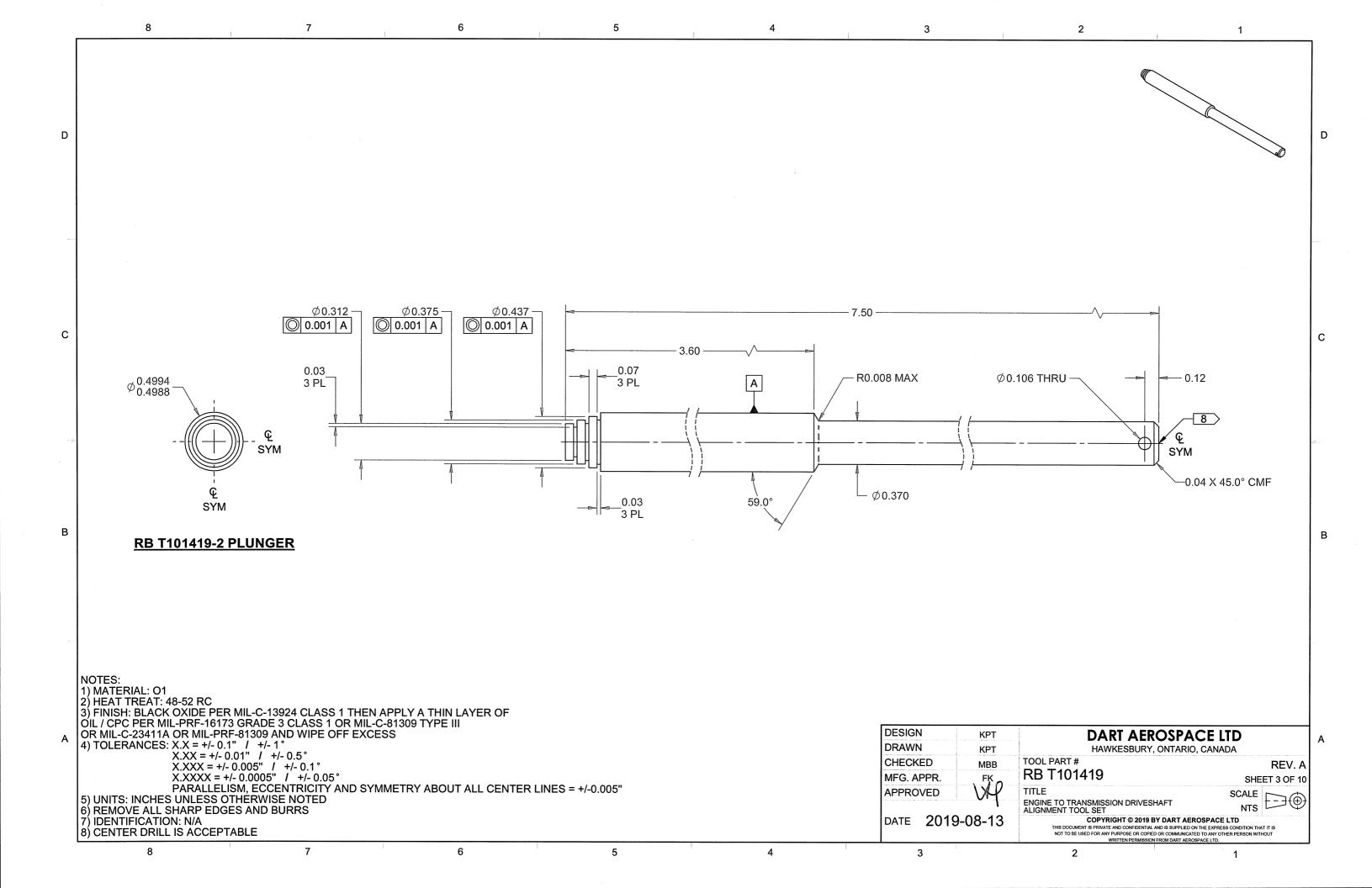
REV. A SHEET 2 OF 10 SCALE TO THE SCALE

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DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA

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ITEM# QTY PART# PART TITLE RB T101419-4 -4 COUPLING 1 RB T101419-5 HOUSING -5 0.5-2 Œ SYM **SECTION B-B RB T101419-3 HOUSING ASSEMBLY** DESIGN DART AEROSPACE LTD KPT DRAWN KPT HAWKESBURY, ONTARIO, CANADA X.XXX = +/- 0.005" / +/- 0.1° X.XXXX = +/- 0.0005" / +/- 0.05° PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005" 5) UNITS: INCHES UNLESS OTHERWISE NOTED 6) IDENTIFICATION: N/A 7) ASSEMBLE AS SHOWN 8) REMOVE ALL SHARP EDGES, BURRS, AND WELD SPATTERS 9) PRESS FIT ITEM -5 WITH ITEM -4 CHECKED TOOL PART # MBB REV. A RB T101419 MFG. APPR. SHEET 4 OF 10 **APPROVED** SCALE NTS 🗀 ENGINE TO TRANSMISSION DRIVESHAFT ALIGNMENT TOOL SET COPYRIGHT © 2019 BY DART AEROSPACE LTD

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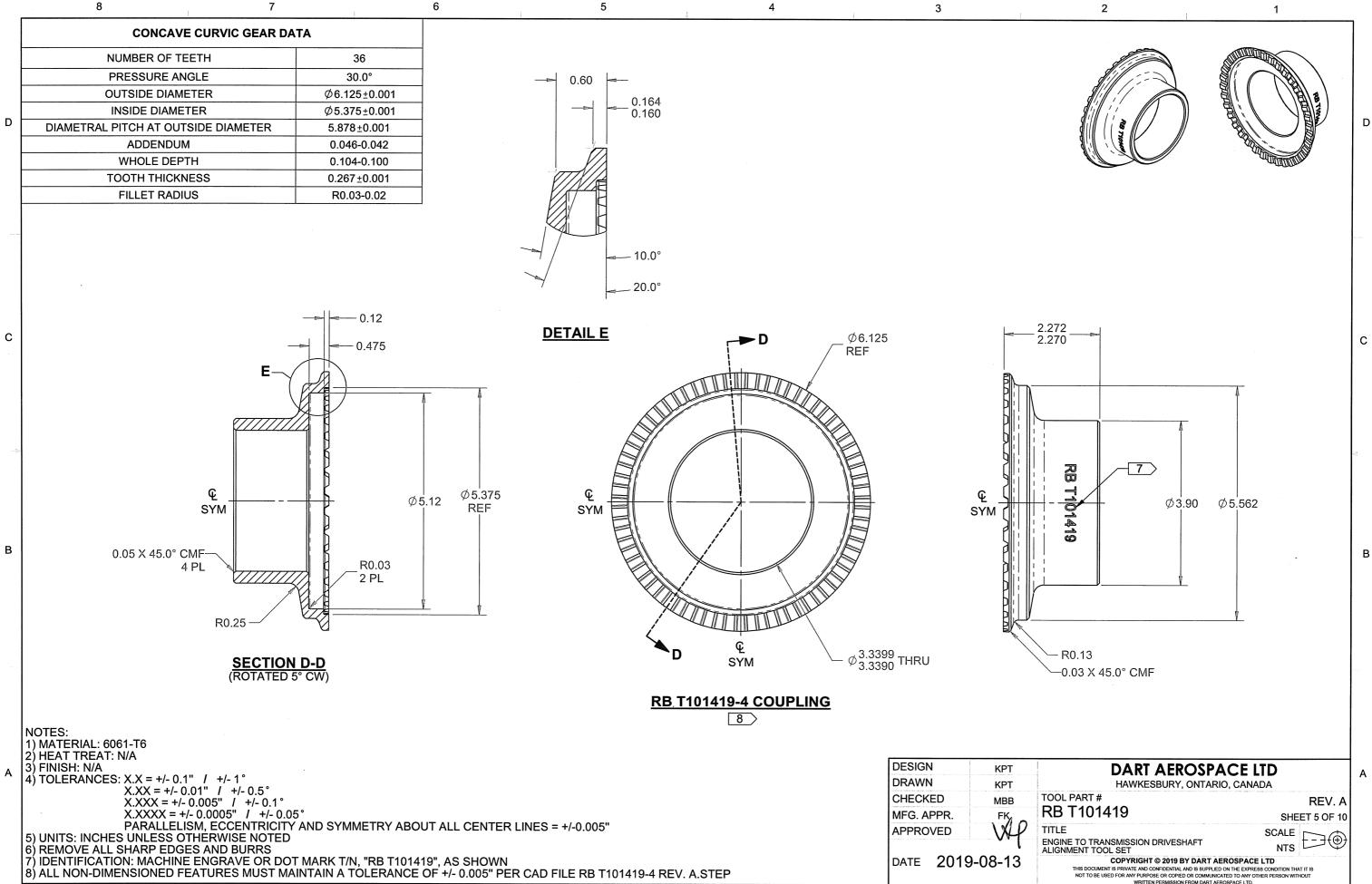
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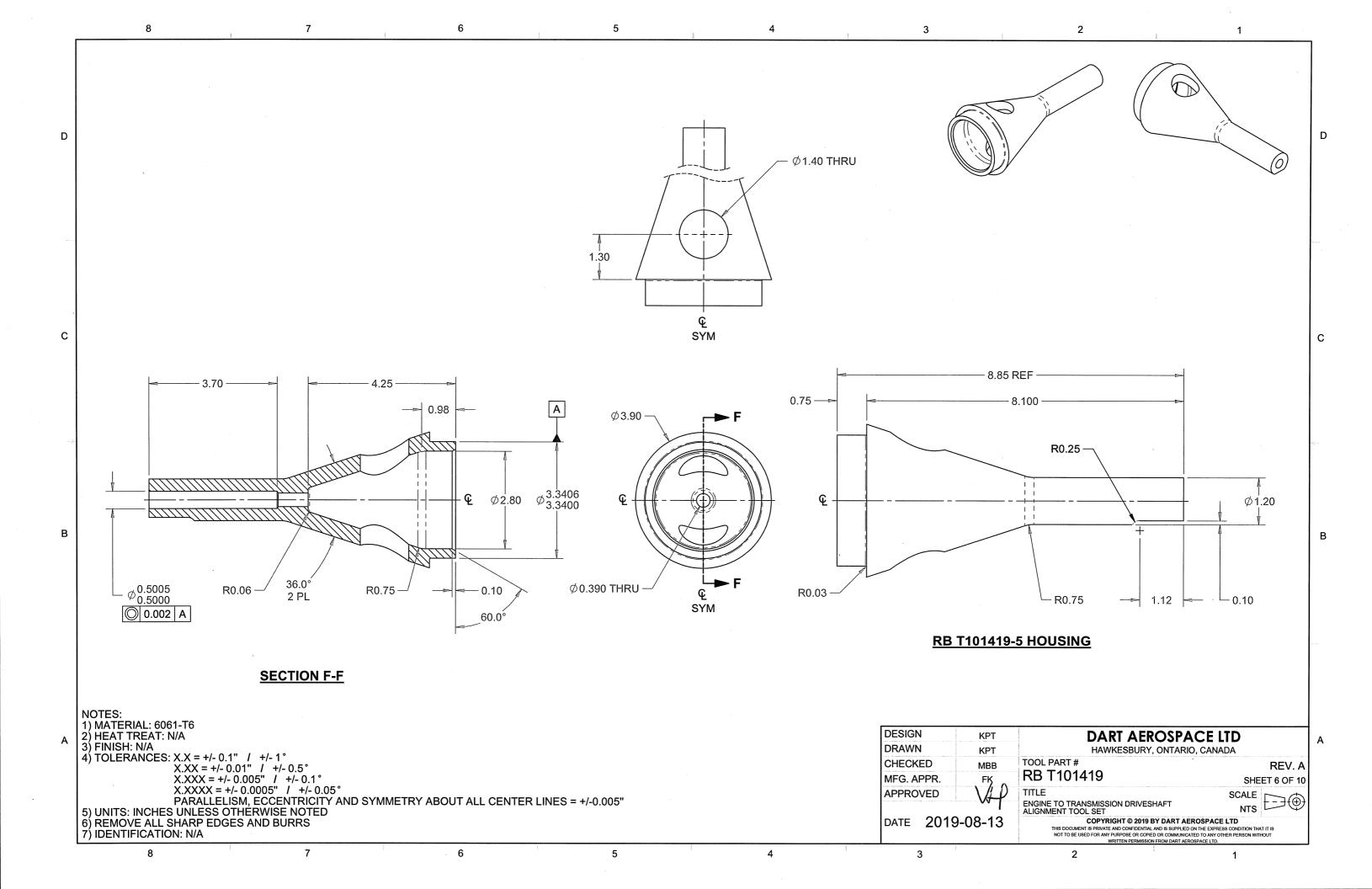
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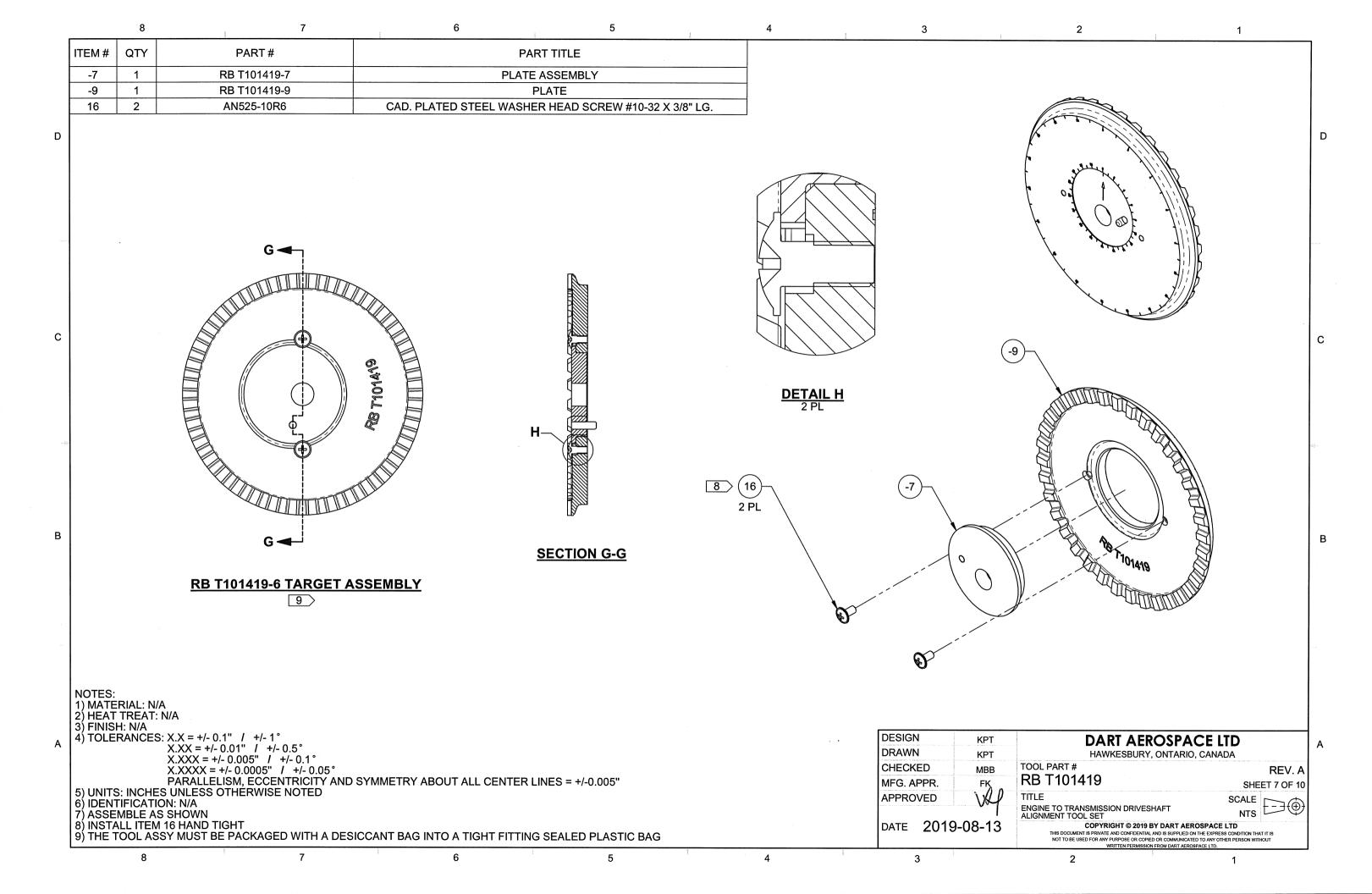
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7 ITEM# QTY PART# PART TITLE RB T101419-8 TARGET PLATE -8 17 MS16555-40 BLACK OXIDE STEEL DOWEL PIN 3/16" DIA. X 5/8" LG. D 0.25 REF **SECTION J-J** В **RB T101419-7 PLATE ASSEMBLY** NOTES: 1) MATERIAL: N/A 2) HEAT TREAT: N/A 3) FINISH: N/A 4) TOLERANCES: X.X = +/- 0.1" / +/- 1° X.XX = +/- 0.01" / +/- 0.5° DESIGN KPT DART AEROSPACE LTD DRAWN HAWKESBURY, ONTARIO, CANADA KPT CHECKED TOOL PART# MBB REV. A RB T101419 MFG. APPR. SHEET 8 OF 10 5) UNITS: INCHES UNLESS OTHERWISE NOTED TITLE **APPROVED** SCALE NTS 🗐 🏵 6) IDENTIFICATION: N/A 7) ASSEMBLE AS SHOWN ENGINE TO TRANSMISSION DRIVESHAFT ALIGNMENT TOOL SET 8) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES THEN PRESS FIT ITEM 17 FLUSH TO SURFACE OF ITEM -8, AND REMOVE EXCESS DATE 2019-08-13 COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT

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D D - 0.78 --R0.02 - $\phi_{2.1793}^{2.1798}$ 0.251 0.249 Ø 0.1875 0.1867 THRU 32 $\phi_{0.579}^{0.580}$ THRU Ø2.50 --- 0.105 В SYM 0.380 **RB T101419-8 TARGET PLATE** 1) MATERIAL: 4140 (28-32 RC) 2) HEAT TREAT: N/A DESIGN DART AEROSPACE LTD DRAWN HAWKESBURY, ONTARIO, CANADA KPT TOOL PART # CHECKED MBB REV. A RB T101419 MFG. APPR. SHEET 9 OF 10 **APPROVED** SCALE PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005" NTS 🗀 🏵 ENGINE TO TRANSMISSION DRIVESHAFT ALIGNMENT TOOL SET 5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) REMOVE ALL SHARP EDGES AND BURRS
7) IDENTIFICATION: MACHINE ENGRAVE AS SHOWN, THEN FILL WITH WHITE INK DATE 2019-08-13 COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT 5 3

